CONTENTS

Editors' Overview
James W. Langenbucher, Barbara S. McCrady, William Frankenstein, and Peter E. Nathan vii

I. Epidemiology

Original Review
Epidemiology
Kay Middleton Fillmore 1

Reprinted Articles
Concurrent and Simultaneous Use of Alcohol With Cocaine: Results of National Survey
Bridget F. Grant and Thomas C. Harford 17

Alcoholism – North America and Asia: A Comparison of Population Surveys With the Diagnostic Interview Schedule
John E. Helzer, Glorisa J. Canino, Eng-Kung Yeh, Roger C. Bland, Chung Kyoon Lee, Hai-Gwo Hwu, and Stephen Newman 25

Adolescent Drug Use: Findings of National and Local Surveys
E. R. Oetting and Fred Beauvais 37

Commentary
Linda B. Cottler 53

Commentary
Deborah S. Hasin 57

II. Pathophysiology

Original Review
Pathophysiology
Paul F. Malloy 61

Reprinted Articles
High Blood Alcohol Levels in Women: The Role of Decreased Gastric Alcohol Dehydrogenase Activity and First-Pass Metabolism
Mario Frezza, Carlo di Padova, Gabriele Pozzato, Maddalena Terpin, Enrique Baraona, and Charles S. Lieber 81

Influence of Improved Drinking Habits on Brain Atrophy and Cognitive Performance in Alcoholic Patients: A 5-Year Follow-Up Study
Antti Muuronen, Hans Bergman, Tomas Hindmarsh, and Tiina Telakivi 89

Effects of Chronic Cocaine Abuse on Postsynaptic Dopamine Receptors
Nora D. Volkow, Joanna S. Fowler, Alfred P. Wolf, David Schlyer, Chyng-Yann Shiue, Robert Alpert, Stephen L. Dewey, Jean Logan, Bernard Bendriem, David Christman, Robert Hitzemann, and Fritz Henn 97

Commentary
John Brick 105

Commentary
Mark S. Goldman 107

III. Behavioral Pathology

Original Review
Behavioral Pathology
Douglas M. Ziedonis and Thomas R. Kosten 109

Reprinted Articles
Subtyping Male Alcoholics by Family History of Alcohol Abuse and Co-Occurring Psychiatric Disorder: A Bi-Dimensional Model
Marsha R. Read, Elizabeth C. Penick, Barbara J. Powell, Elizabeth J. Nickel, Stephen F. Bingham, and Jan Campbell 125

An Evaluation of the Psychoactive Substance Dependence Syndrome in Its Application to Opiate Users
Andrew M. Stripp, Philip M. Burgess, Philippa E. Pattison, John Pead, and C. Paul Holman 137

Commentary
Harvey A. Skinner 145

Commentary
Jon Morgenstern 149

IV. Etiology

Original Review
Etiology
R. O. Pihl and J. B. Peterson 153

Reprinted Articles
Event-Related Potential Characteristics in Children of Alcoholics From High Density Families
Shirley Y. Hill, Stuart Steinhauer, Jennifer Park, and Joseph Zubin 177

Serotonin, Dopamine and GABA Involvement in Alcohol Drinking of Selectively Bred Rats
W. J. McBride, J. M. Murphy, L. Lumeng, and T.-K. Li 193

The Genetic Epidemiology of Alcoholism
Kathleen R. Merikangas 203

Commentary
David Goldman 217

V. Program Evaluation and Treatment Outcome

Original Review
Program Evaluation and Treatment Outcome
Richard Longabaugh and Patrick R. Clifford 223

Reprinted Articles
Treatment Outcome: An Evaluation of Adult and Youth Treatment Services
William J. Filstead 249

Definitions of Non-Abstinent and Abstinent Categories in Alcoholism Treatment Outcome Classifications: A Review and Proposal
Nick Heather and Jennifer Tebbutt 279

Commentary
Jacqueline B. Persons 289

Commentary
Norman G. Hoffmann and Maurice B. Smith 291

VI. Emergent Treatment Concepts

Original Review
Emergent Treatment Concepts
Jonathan Chick 297

Reprinted Articles
Desipramine Facilitation of Initial Cocaine Abstinence
Frank H. Gawin, Herbert D. Kleber, Robert Byck, Bruce J. Rounsaville, Thomas R. Kosten, Peter I. Jatlow, and Cynthia Morgan 313

Matching Alcoholics to Coping Skills or Interactional Therapies: Posttreatment Results
Ronald M. Kadden, Ned L. Cooney, Herbert Getter, and Mark D. Litt 323

Changes of Drinking Goals in a Two-Year Out-Patient Alcoholic Treatment Program
Agneta Öjehagen and Mats Berglund 333

Commentary
Stephen T. Higgins and Alan J. Budney 341

VII. The Lay Treatment Community

Original Review
The Lay Treatment Community
Klaus Mäkelä 345

Reprinted Articles
Communication Skills Training With Alcoholics for Improving Performance of Two of the Alcoholics Anonymous Recovery Steps
Jack G. Anderson and Francis S. Gilbert 367

Spirituality and Recovery: Relationships Between Levels of Spirituality, Contentment and Stress During Recovery From Alcoholism in AA
James E. Corrington, Jr. 375

Cults and Zealous Self-Help Movements: A Psychiatric Perspective
Marc Galanter 385

Commentary
Ernest Kurtz 397

Commentary
Barbara S. McCrady 401

VIII. Special Section – Coercion in Addictions Treatment

Original Review
Coercion in Addictions Treatment
Frederick Rotgers 403

Reprinted Articles
The Efficacy of Civil Commitment in Treating Narcotics Addiction
M. Douglas Anglin 417

Symbolic Policy and the Sentencing of Drug Offenders
Martha A. Myers 431

Commentary
William J. Sonnenstuhl 445

Commentary
Harvey M. Goldstein 449

IX. Prevention

Original Review
Prevention
Cheryl L. Perry and Steven H. Kelder 453

Reprinted Articles
Preventing Adolescent Drug Abuse Through a Multimodal Cognitive–Behavioral Approach: Results of a 3-Year Study
Gilbert J. Botvin, Eli Baker, Linda Dusenbury, Stephanie Tortu, and Elizabeth M. Botvin 473

A Multicommunity Trial for Primary Prevention of Adolescent Drug Abuse: Effects on Drug Use Prevalence
Mary Ann Pentz, James H. Dwyer, David P. MacKinnon, Brian R. Flay, William B. Hansen, Eric Yu I. Wang, and C. Anderson Johnson 489

Commentary
Irving Rootman 503

Commentary
D. M. Gorman 505

Subject Index I